

To: marlettm@aquatech.com[marlettm@aquatech.com]
From: DeMeo, Sharon M.
Sent: Thur 1/23/2014 6:34:01 PM
Subject: Questions regarding Italian VCE systems

Hi Michael,

Thanks for chatting with me a couple weeks ago about VCE technology. You had mentioned that Aquatech had installed five systems in Italy. According to the literature, the five facilities are Fusina Power Plant, Torrevadalis Nord Power Plant, Sulcis Power Plant, La Spezia plant and Brindisi Sud Power Plant. You also explained that only three of the five plants are currently operating. Would you please tell me which two are not operating and confirm that they had determined off-site disposal was more economical?

In addition, each of the Aquatech Project Profiles for these facilities indicate that ZLD systems were installed and that “[t]he industrial grade soft water and high purity distillate produced in the system will be used in the main power plant.” My understanding is that if VCE water is reused back to the scrubber than the system is truly ZLD. On the other hand, if the water, for example is used for boiler make up or ash conditioning, these operations generate boiler blowdown and landfill leachate. Therefore, it is not a complete ZLD system. The Profiles also explain that “[w]astewaters from FGD treatment plant can no longer be discharged into the sea due to tough Italian and EU environmental regulations,” but are other wastewaters allowed to be discharged from these plants?

Any information you can share or point me towards is greatly appreciated.

Regards,

Sharon

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